**Bharath Marka**

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**Experience Synopsis**

* Around 9 years of Experience in DevOps, Build & Release and Configuration Management experience
* Experience in working with multiple simultaneous software releases and infrastructure planning
* In depth knowledge of configuration management concepts and experience with various source control tools like Subversion (SVN), Git and TFS.
* Extensively experience in using Build and Automation tools like ANT and Maven and working knowledge other build tools like MS Build.
* Implemented Continuous integration concepts using Hudson, Bamboo, Jenkins. Migrated subversion repositories to Git
* Involved in all phases of software development lifecycle with extensive knowledge of both Agile and Waterfall models.
* Good understanding Knowledge of Infrastructure as a code, Experienced in using ARM Templates to provision our resources(Terraform)
* Excellent knowledge on working with Azure Virtual Networks, Resource groups, Azure Traffic Manager, Load Balancer, Virtual Machines, TCP/IP configurations and Azure DNS.
* Maintaining Mainframe applications with consistent record of delivering successful projects of high customer satisfaction.
* Extensively experience in setting up Baselines, Branching, Merging and Automation Processes using Shell and Batch Scripts. Experience in UNIX shell scripting, shell, Python scripting, SQL server
* Proficient with ANT & Maven to build projects (include J2EE applications)
* Supporting deployment for client/server and web-based application as well troubleshooting.

**Technical Skills**

SCM Tools GIT, GitHub, GITLAB, Subversion, Azure Repos.

Build Tools ANT, Maven, MS Build, & Nuget

Continuous Integration tools Jenkins, Bamboo, Hudson.

Web Servers Apache, F5

Databases MS Access, MS SQL Server, Oracle8/10.0

Scripting Languages. Powershell,shell, JAVA/J2EE, VB/C#.NET

Operating Systems UNIX Solaris 10/11, Windows NT, XP&8, 10, Red Hat Linux.

Configuration management t tools: Ansible, AZURE and Aws

Change Management Tools Jira, CA Rally and Azure Dashboards.

Testing Tools LoadRunner, selenium, Sonar Qube.

Middleware Apache Tomcat, JBoss, IIS, IBM WebSphere, WebLogic

**Professional Experience**

**Value Momentum / Geico**

**Mar 2021 – Present**

**DevOps engineer**

* Setting up end to end pipeline for a .net web applications using azure devops and deploying to azure Kubernetes cluster associated with all the required resources and its configurations.
* Customizing the docker files, built the image as per Geico standards and push them to azure container registry.
* Good understanding Knowledge of Infrastructure as a code, experienced in using ARM Templates to provision our resources (Terraform)
* Configuring a .net web api cloud service project was creating the web role and worker role & and deployed as classic service in azure with all required resources.
* Troubleshooting & assisting the developers/stakeholders for any sort of application related issues.
* Involved in all phases of software development lifecycle with extensive knowledge of understanding the sprints plans and its timelines
* Professional experience in architecting systems built with Azure DevOps Dashboards for creating the user stories, Azure Repos, Azure Test plans for managing the code, Azure artifacts for storing the packages.
* Customizing the docker files and built the docker images and pushed to Azure container Registry
* Used Azure Dashboard to manage different types of tickets as part of code merge, build and deployment activities.
* Designed CI/CD processes in the context of a Jenkins orchestration, including the usage of automated build, test/QA and deployment tools Configure jobs and pipelines using Jenkins.
* Infrastructure as a code automation Using ARM Templates on Cloud platform Azure.
* Setup and Managing VPC, Subnets, make connection between different zones.
* Access management using IAM and defined custom json policy roles for different identities.
* Managed the day to day builds on all environments from Azure DevOps. Also responsible for monitoring the builds and troubleshooting the issues using App Insights and Splunk.

**ENVIRONMENT:** .net, C#, Visual Studio 2019, Azure, Azure DevOps, Azure Repos, Microsoft Azure Services, Docker, Kubernetes, AKS, Classic Service, ARM Template, Splunk, DevOps Catalog etc.

**National Indemnity Omaha, NE**

**Oct 2019 – Feb 2021**

**DevOps engineer**

* Administering IIS 7, IIS 7.5, IIS 8- creating new Websites, Applications, Virtual Directories, App pools, Bindings and deploying websites and web applications.
* Solving various .Net application issues and providing various technical solutions for .Net, C#, VB based
* Hands on experience in installing and updating NuGet.
* Integrated the azure pipeline with octopus to manage the deployment and Release infrastructure
* Experienced in automating software build, release, and deployment processes by developing build/release infrastructure.
* Great working experience in handling builds & deployments into Dev, QA, UAT and Production environments.
* Worked on DevOps tools like VS (2018 & 2019), Octopus, PowerShell & IIS to automate the deployment process as well as to web transform configurations according to environments.
* Established very good Understanding on each phase of SDLC lifecycle.
* Administration of User Accounts and managing their permissions, hands on experience on troubleshooting the connection issues of users in Octopus
* Created Virtual Directories, deploying the code to IIS, and troubleshoot the applications.
* Expertise in troubleshooting and problem-solving skills of windows servers.
* Co-ordinated and providing the end-to-end support for releases on weekly basis and resolving the production issues.
* Defined Release isolation branching strategy based on development requirements & involved in creating the branching strategy. Responsible for creation of branches, version label and configuration specs for developers.
* Build, manage, and continuously improved the build infrastructure for software development engineering teams including implementation of build scripts, continuous integration infrastructure and deployments.
* Configured the OctopusDeploy pipelines for automating the Microsoft.NETapplications, Windows Services and databases for better end to end approaches.
* Generating the DbUp Scripts for Database Projects to Deploy DB as part of the build process integrated in Jenkins and Octopus to run for every deployment and populate the test data in DB for various environments
* Responsible for daily build monitoring and troubleshooting. Fully responsible for development, QA, Staging and Production builds and deployments.

**ENVIRONMENT:** .Net, C#,VB,MSBuild,SVN,Git,AzureRepos,AzureDevOps,windows,Unix/Linux,Jenkins, Octopus, SQL, IIS.

**Bank of the West Omaha, NE**

**Feb 2018 – Sep 2019**

**Systems/DevOps engineer**

* Experience in working with Jboss6.x EAP installation and configurations and building and deploying application code to JBOSS
* Conduct auto deployment of software applications in secure and managed environment using Docker container technology.
* Worked with an agile development team to deliver an end-to-end continuous integration/continuous delivery product in an open-source environment using GIT, Jenkins and Docker Deploy and automation tools for promoting the built package to all the higher environments.
* Migrating the version controlling systems like SVN, Git and Created the Git hooks in code hub for automated build and configured the Jenkins to kick off the builds for extracted the war file and deployed the application using apache tomcat, JBoss and Open Shift server.
* Customized all the applications with the docker files and configured as per requirement.
* Integrate code quality and code management tools such as Sonar and Fortify along cucumber tests scripts through Jenkins to check the performance of the applications.
* Configuring the multiple windows slaves on Linux platform and trigger the Automation test suite in timely basis nightly jobs for every Deploy.
* Working with C++, Java 1.8 & JEE design patterns, springboot, nodejs applications and containerized applications have implemented custom frameworks for clients using a combination of industry practices.
* Experienced with Splunk and Dynatrace for log application and server monitoring.
* Experienced in Branching, Merging, Tagging and maintaining the version across the environments using SCM tools like GIT and Subversion (SVN) on Linux platforms.
* Administered and maintained 16 environments with software installs, application installs, supported all builds and deployments with automation process.
* Used Jenkins as part of Continuous Integration (CI) and Continuous Delivery (CD) process implementation along with Python and Shell scripting to automate jobs.
* Developed maven and Shell scripts to automate compilation, packaging, deploying applications to Web platforms
* Troubleshooting and resolving issues in Build and Deployment phase
* Involved in scrum meetings, backlogs, audit and other artifacts in collaboration with the team.
* Responsible for keeping track of backlogs, issues and tasks in JIRA and was on support 24x7.
* Working with multiple development teams and other stakeholders to establish a build schedule, provide a guideline for deployment in higher environments and with troubleshooting build system failures. (Java, Jenkins, Ant, Maven, SVN, GitLab, rally, Agile methodology, selenium SonarQube, CI/CD automation from scratch, Docker, OpenShift.

**ENVIRONMENT:** Open shift, Docker, Fortify scan, Sonar, Java/J2EE, Springboot, nodejs, SVN, Postgres, mysql, oracle, Gitlab, ANT, Maven, SVN, Nexus, Splunk, Dynatrace, RHEL, Tomcat, JBOSS, Unix/Linux, Jenkins, Shell scripting.

**UHG/Optum, Minneapolis MN**

**Apr 2017 – Jan 2018**

**DevOps Engineer**

* Working as a DevOps Engineer for multiple development teams, system analysis team to establish a build schedule, provide a guideline for deployment in higher environments and with troubleshooting build system failures.
* Worked for 5 scrum teams (Java, AEM, Jenkins, Ant, Maven, SVN, git, code hub, rally, Agile methodology, cucumber scripts, fortify scan, sonar, XL Deploy and XL Release, SharePoint, CI/CD automation from scratch, Docker, Open shift)
* Formulate guidelines for development team on configuration, supported all the prod releases on call rotation, build and release management by putting together an extensive plan for all product releases.
* Created and updated Bash (UNIX Shell) scripts and modules, files, and packages. Installed Docker Registry for local upload and download of Docker images and even from Docker hub.
* Responsible for configuring the apps to Open shift v3 and containerization of apps using Docker
* Implemented Microservices on Open Shift based on Docker to achieve Continuous Delivery
* Responsible for setting up from scratch and maintaining automated CI/CD Pipelines for multiple apps.
* Integrated code quality and code management tools such as Sonar and Fortify along cucumber tests scripts through Jenkins to check the performance of the applications.
* Migrating the version controlling systems like SVN, Git and Created the hooks in code hub for automated build and configured the Jenkins to kick off the builds for extracted the war file and deployed in the application to DEV server like apache tomcat, and Open Shift server.
* Configured the XL Deploy and XL Release for all the applications from scratch, once the build package is available, then promoted with simple enable options to deploy in the targeted servers.
* Managed Version Control Subversion (SVN) and GIT Enterprise; and Automated current build process with Jenkins with proposed Branching strategies to accommodate code in various testing cycles.

**ENVIRONMENT:** XLDeploy, XL Release, Open shift, Docker, Fortify scan, Sonar, Java/J2EE, SVN, GIT, Code hub, ANT, Maven, SVN, Nexus, Arti factory, RHEL, Solaris, Tomcat, CA Rally, Unix/Linux, Jenkins, Shell scripting.

**Jostens, Minneapolis MN**

**Nov 2016 – Mar 2017**

**DevOps Engineer**

* Migrated the Projects from Old deploy servers to new deploy servers in DEV/TEST/INT/QA/Prod in a manual and automated process while maintaining the ability to perform project Build and deploy.
* Provided the assistance to developers and other team members in any build issues.
* Used Hudson/Jenkins in setting up CI/CD pipeline to deliver the software with the better quality and fast by using different plugging like EMMA, check style and find bugs resources.
* Was responsible in scripting the process to ensure the artifacts (code/plugins/components) that are built and tested in QA environments are also deployed into production environments.
* gathered the components (code fixes, assets and improvements) for products and projects. ensured components are ready for Production
* Rollbacked the applications whenever required for any Conflicts/issues while deploying to production.
* Used SVN for creating the branches, merging and releasing the code version.
* Co-ordinated with release engineer, Developers, architects for all active builds and planned a successful release.
* During migration process, after build ensured all the artifacts are staged in new staging server and pulling from the new staging server.

**ENVIRONMENT:** Java/J2EE, ANT, Maven, SVN, Git, Nexus, windows, RHEL, Tomcat, JIRA, Unix/Linux, Jenkins, Batch scripts, JDK 1.8, postgres db, Shell scripting.

**West Corporation, Omaha, NE**

**May 2016 - Oct 2016**

**DevOps Engineer**

**Job Responsibilities.**

* Migration from Jenkins Continuous integration tool to Bamboo. Created CI/CD pipeline from dev to production environments using bamboo and integrated Maven with SVN to manage and deploy project related tags
* Installed and administered Arti factory repository to deploy the artifacts generated by Maven and to store the dependent jars which are used during the build
* Involved in setting up JIRA as defect tracking system and configured various workflows, customizations and plugins for the JIRA bug/issue tracker
* Automated scheduling /periodically builds and Deployments on timely basis.
* Creating Jira workflows to automate deployment and issue tracking.
* Admin JIRA (Issue tracking tool), Artifactory, and integrated with bamboo
* Set up build notifications, created the users and assigned the permissions on bamboo.
* Deploy all build artifacts in tomcat server and resolved the issues for any failed jobs.
* Used Jenkins/Bamboo to automate everyday builds, testing and deployed in Artifactory and tomcat servers.
* Installed and administered Artifactory repository to deploy the artifacts generated by Maven and to store the dependent jars which are used during the build.
* Resolved update, merge and password authentication issues in Bamboo and JIRA.

**Environment:** Java/J2EE, ANT, Maven, AWS, SVN, Arifactory, Windows, RHEL, Tomcat, JIRA, Unix/Linux, Jenkins, Bamboo, JDK 1.8, postgres db., Shell scripting.

**Sprint Overland Park, KS**

**June 2015 - Apr 2016**

**DevOps Engineer**

* Working with DEV/ST/RTB/ORT/Prod/DR environments with JBoss6.
* JDK1.7, Oracle commerce 11.1, Creating build scripts using ANT and IVY for all applications.
* Supporting Oracle commerce 11.1 builds and deployment for all sprint.com applications, as well as working on setting up the Continuous build’s environment.
* Worked on UNIX/Linux environment wrote and used Shell Scripts for manual deployment of the code to the Different environments and e-mail the team when the build is completed.
* Triggering Builds done by either manually or automated by using ant scripts.
* Familiar with manual deployments and automated deployments.
* Supported all various releases at code freeze periods.
* Worked & supported Weekly, Bi-weekly, Monthly and Global release applications.
* Applied layering changes on different environments.
* Deployed centralized and auto scaling monitoring system for infrastructure using Nagios, developed many plugins for matrix collection of various applications using Ruby and Bash shell scripting and integrated with log monitoring tool Nagios for continuous monitoring.
* Manage source code, software builds, software versioning, and defect tracking on all software maintenance tasks and projects.

**Environment:** Java/J2EE, ANT, Android Applications, python, Tomcat, JBoss 6.1 EAP, Sub version, JIRA, Unix/Linux, Jenkins, JDK 1.7, Oracle 11.1, Power Shell scripting.

**Waste Management, Denver, CO**

**Nov 2014 - May 2015**

**Build Engineer**

* Responsible for day-to-day Build and deployments in pre-prod and production environments.
* Utilized Java build/automaton tools such as ANT and Maven. Wrote ANT Scripts to automate the build process
* Carried Deployments and builds on various environments
* Wrote ANT Scripts to automate the build process
* Involved in Setting up CI/CD Environment using Bamboo.
* Used UNIX Shell/Perl scripts to automate the deployment process
* Used Bamboo Merge conflicting code to ensure release to test environments
* Create automated build procedures to ensure code is always ready for deployment
* Create and maintain build scripts using Final Builder to perform builds efficiently
* Experienced with JIRA and Bamboo for defect tracking
* Coordinated all the IT projects successfully by resolving release interdependencies and planning release
* Planning, scheduling and documenting releases at code Freeze Periods
* Coordinated with different teams before and after the production deployments

**ENVIRONMENT:** Java/J2EE Ant, Maven, Tomcat, JBoss, Subversion, JIRA, SVN, Bamboo, shell, bash, Unix, Son type Nexus.

**AAA Insurance, Phoenix, AZ**

**Nov 2013 - Oct 2014**

**Build and Release Engineer**

* Performed software configuration/release management activities for three different .Net applications
* Designed and implemented Continues Integration process and tools with approval from development and other affected teams
* Responsible to perform Build operations with ANT Scripts, while implementing the required modifications in the ANT Script to perform build operations, in accordance with requirements of the project
* Coordinated Change Control Board Meeting to discuss Defects and Enhancements for the project. Generated Reports before the meeting to discuss the nature of defects, to reach consensus to resolve the defects before the next Build and Test Operation

**Environment:** SVN, Shell, .Net, ANT, Maven Hudson JIRA. Linux, Windows, JBoss, Visual Basic 6.0, Visual Studio (2017 & 2019), SQL Server 2005/2008.